MENTO MAKEGIANTS

A Substance That Trebles Physical Strength in Five Minutes.

INCREASING THE STATURE

Interesting Development of the Brown-Sequent Edite of Life -- Some Experiments.



E hear a good deal at this time of year about medicines to build up a man's soutem and releve "tired" and other disagreesthe use of only half a dozen bottien, but how about amedicine that will increase a mania

dividual vigor and muscular strength threefold in five minutes? That looks modern. It seems to be adapted to this

The dose is only five drops: It is at the disposal of the whole methral profession; any doctor can make it; the materiais are cheap and the product cought not to cost much. Sullivan should get his championship back by means of it, and so it works upon the brain as well as when the muscles, we should have statemen and a literature by next work at the furthest.

This may be an exaggeration, but it is no toke. The substance really exists, and the writer had the privilege of seelog an experimental use of it a few days ago. Let me first my a few words alout the history of its development.

Everybody remembers the wild burst of enthusiaso with which Dr. Brownthequard's "elisir of life" was received some years ago. It was the scoret hope of many an old rose, the open delight of jastest humorists, an inspiration to quicks, and after all, an object of arms interest to the true man of science. For it really wasn't so absord as It was painted. The truth about it was never printed in the neverpapers, and, induct, couldn't be printed. It was founded on a principle as old as the hills and an article of faith to meet of

those who ridiculed the clixir. Hot what has become of it? Had It drifted into total obscurity? Probably most of the readers of this article will be surprised to learn that it formed the subject of an address before a meeting of learned and conservative physicians In New York a few weeks ago, and that practical results of the development of the idea were set forth by a high medteal authority. Since the wear and tear of time have taken away the righ



TENTENO THE PLOTO.

the descendants and since it is not a propertatory remedy the mention of which will be an advertisement for an able but probably unicarned manufacturer, an account of its scientific develcommittee may properly be given.

It will be remembered that the name of the William A. Hummond, retired sange in general of the army, was asaccident with that of Dr. Brown-Sequart when the clisic was in the beyday of its popularity with the paraably of more benefit to the elizir than ; it was to Dr. Harrymond, but his regulathan stood the steam very well. The present writes had occasion to call upon Dr. Hummand at his residence in this city a few days ago and there incidentally instruct of the present states of Dr. Brown Segment's idea in the scientitle length. Dr Hammond was bosoilaldy displaying to his visitor the wonders of his magnificent residence when the looker approached and said: "If you picker, sir, the ox brains have come and the cook says that she can't handle

Without conturing to be ourious shows the cultoury arrangements of my host, I suppresed, in a general way, that ee beam was to figure in his bill of fare

Thore's accenty-nine of 'em, air," said the batter, "and the cook says could Kuma help her get 'um route?"

Mr. Hammand sometimes entertains spile regulir, but I could not suppose that he designed to give a banques for which occupy tring on brains would be sequient. Purhaps In was going to pickle them.

"Yes," such the doctor, "let Know's help her. I want them all to be ready by

So the whole let was to be consumed at a statingt Perhaps I showed my astomalment, for Dr. Hammond came to

-| shall use this o'r breaks to make what I call 'enrobeins," said he. "It is a special development of the Brown-Sequent citate, which you doubtless

I scimitted the resoliection, and then naked which "corobrine" was. Fir answor the durier led the way to his eying periods, some of them lasting for infrared by passed the great square several days." central half-of the fall height of the building and lighted from above -and entering by a loor harond the long Bhrury, were immediately in the presenem of filters, tomicers and the senal of

"You remember," said the doctor. regard I require some experiences with the Heren-Separa cliste. I found a growd block in it, but there were fated

lieve the nonsense which was written about that substance. It was not de-signed to transferm by some magical rooms an old gray-beard into a bloomng youth. It was an effort to restore to certain organs of the body a healthy vigor by treating the patient with the expressed juice of the corresponding organs of a Cuinea pig. And it did in certain cases, when sujected into the blood, prove capable of arresting to some extent the inroads of oid age. I side of bad we tad beintynes some spletance a manner of acting upon the body in a manner and to an extent different from those obtainable by any other agent known to molical science."

"But nothing came of it," said L. "There were certain practical difficulties in the way of bringing the substance into general use in actual prac-"he replied. "In the first place it had to be used fresh, for, if not, there was great danger of a putrefaction process being set up and blood poisoning produced. Then there were technical difficulties in the way of filtering, etc., not necessary to mention here. After a time, therefore, I gave up the preparation of the jules by the Brown-Sequard method, and turned my attention to preparing extracts from other portions of animal bodies and in a different way. Each of these extracts is applied to the curs of diseases in the corresponding organs of the human body. Cerebrine

"I see," said I. "It is the old idea: 'Every part strengthens a part.' That a section of the dietary system of rural New England. If a man is lean he cuts fut. If he has bunions he cuts

pigs feet. That is the unscientific method of applying the idea, perhaps," said be, "and it is old, of course. I recollect reading nearly forty years ago an account of some observations made by a German physician-I think he was a Germanrelative to the treatment of diseases of the several organs of the body by a system of diet, consisting of the corresponding organs of healthy animals. Thus, liver disease was treated by beef's liver, hourt disease by beef's heart, etc. I cannot trace the article I read, but it certainly exists, or did exist.

Now to return to cerebrine. The method of preparation is simple. The whole brain of the ox, after being thoroughly washed in water acidulated with borie ucid, is cut into small pieces in a mineing machine. To one thousand grammes of this substance placed in a de mouthed, glass-stoppered bottle, I add three thousand cubic centimeters of a mixture consisting of one thousand cubic centimeters each of a saturated solution of boric acid in distilled water, of pure glycerine and of absolute alco-hol. This is allowed to stand in a cool place for at least six months, being well shaken or stirred two or three times a day. At the end of this time it is thrown upon a porous stone filter, through which it percolates very slowly, requiring about two weeks for entirely passing through. The residue on the filter is then inclosed in several layers of aseptic gause and subjected to a pressure of over a thousand pounds, the exudate being allowed to fall upon the filter and mixed with sufficient of the filtrate to cover it. When it has entire ly filtered it is thoroughly mixed with the first filtrate and the process is com-

I give these directions at length bethe substance at once into the power of any physician to procure. This is not a "private discovery;" it is given to the profession in accordance with the strictest rules of the excellent code of medical ethics. Physicians well know that during the entire progress of the rigid antiseptic precautions must be taken. The vessels and instruments required are kept in boiling water for several minutes and are then washed in a solution of borio acid. Microscopic examinations are also to be made, as an ultimate precaution against the devel-

And now for the popular side of the matter. What will this substance do? Pire drops, with an equal quantity of distilled water, injected under the skin in the ordinary way is the dose. In five or ten minutes the pulse begins to beat much stronger and fuller, and increases sen to swenty beats a minute. The face becomes slightly flushed and there is a feeling of distention in the head, sometimes accompanied by headache. There is nothing very remarkable about that, but here is something worth mentioning: In many cases elderly persons treated in this way find a remarkable change in their power of vision. The condition known as presbyopia-or faillog of sight from old age disappears. The person sees almost as well as he ever did. This experiment has been tried under many conditions and there is no doubt that surprising results are

Still more remarkable is the effect upon the muscular strength. In the exeriment which the writer had the pleasure of witnessing a large and atrong man was saked to put up a dumb beil weighing forty-five pounds. He did it fourteen times with his right arm and sleven times with his left. It needed but a glance from one trained to athletic exercises—as the writer has had the advantage of being trained-to show that the man was doing his best, and that he reached substantially the limit of his ability in the present state of his muscular development. After an injection of the fluid he "put up" the damb bell forty two times with his right arm and thirty-five times with his left, and did it easier than before. He showed less exhaustion and worked in better form. His appearance was simply that of a man in better tealning of inereased general vigor-than in the previnus instance. He had a slight head-

I feel the deepest certainty that I have seen bousands of dollars change hamls on the result of a contest in the "aquared circle" when the drops of cercbring would have changed the result. "If this thing becomes known." said

I to De Hammond, "you will have a line of prise fighters outside your door reaching from here to the oution, These effects are generally observed after one hypodermic injunction," said the doctor, "and they continue for ex-

He was referring to other builty. ayroptoms of interest principally to of femilian had ad sight againering

In order that the offerts shall be reduring," he ombined, "two doses a day should be givin every day or every alternate day, as may seem necessary, one in the numbering and one or the aftermicro. The most potable affects are own startions. Of seems you did not be- to the general inventory of the phenom-

ens accompanying advancing years. I have employed cerebrine with curative effects in many diseases of the brain and nervous system. It is almost specific in those cases of nervous prestantion—the so-called necresthenia—due to reflex tunes or excessive mental work or persistent and powerful emotional disturbance. A hypodermic injection of tive drops twice daily for two or three weeks, and without other medicine, is ecces, and without other medicine, is afficient for a cure. It is valuable in cases of recebral congestion, in which the most prominent symptom is insom-nia. I have used it with advantage in

treating epilepsy.

I was principally impressed by the power of the substance to at least temperarily-increase physical strength. Whatever may be the opinion of physicians as to the advantage of long treating with this substance in cases of illness, there can be no doubt about what might be done in the prize ring, the diamond or the football field. I believe that even Harvard with cerebrine

or district the control of the contr one must be taken hypodermically. It has recently been alleged by some med-ical authorities, he said, that the action of medicines was the same whether taken into the stomach or introduced under the skin. He rejects that theory, believing that the gastric juice produces

changes which are essential.
"It is well known," said he, "that woorara, the virulent arrow poison used by the Indians of South America, which s invariably fatal to animal life when injected into the blood, is harmless if swallowed, even in large quantities. I have ascertained by actual experiment that the poison of the rattlesnake may be swallowed with impunity. During the course of my medical service on the plains I have collected a large quantitionals region. A small tity of rattlesnake poison. A small fraction of a grain injected hypodermically into a dog was sufficient to kill him in a few minutes, while previously the animal had been made to swallow

haif a drachm without apparent result."

On the same principle used in preparing "cerebrine," and by the same method "cardine" may be made from the hearts of oxen and other extracts

Now as to my theory," said Dr. Hammond. "Organic beings possess the power of assimilating from the neutritious matters they absorb the pecullar pabulum which each organ of the body demands for its development and sustenance. The brain, for instance, selects that part which it requires; the heart, the material necessary for its growth and preservation, and so on with the liver, the lungs, the muscles and the material necessary of the and the various other organs of the body. No mistake is ever committed; the brain never takes liver nutriment, nor the liver brain nutriment, but each selects that which it requires. There are, however, diseased conditions of the various organs in which this power is lost or impaired, and as a conseq disturbance of function, or even death

itself, is the result. "Now, if we can obtain the peculiar matter that an organ of the body requires and inject it directly into the blood, we do away with the performance of many vital processes which are accomplished only by the expenditure of a large amount of vital force. Let us suppose a person suffering from an exhausted brain, the result of excessive brain work. Three hearty meals are eaten every day, but no matter how judiciously the food may be arranged the condition continues. Now, if we inject into that person's blood a con-centrated extract of the brain of a healthy animal we supply at once the pabulum which the organ requires. Then, if under this treatment the morbid symptoms disappear, we are justi-fied in concluding that we have success-fully aided nature in doing that which

unassisted she could not accomplish.

"All this is applicable not only to the brain, but certainly to the heart, the generative system, the spinal cord, and, I believe, other organs of the body. I have repeatedly seen a feeble heart rendered strong, the blood corpuse increased in number and the color of the blood deepened by the use of cardine, and I have many times seen a system, otherwise exhausted, restored to its normal power by the use of cerebrine and meduline."

It was interesting to me to see the Brown-Sequard rejuvenating elixir thus itself rejuvenated, together with that old maxim of my childhood, "Every partstrengthens a part." DAVID WECHSLER.

AMONG THE ESQUIMAUX.

flome of the Rites and Coremonius of This Northern Race. Esquimaux are believers in ghosts. They also believe in the transmigration of the soul; that spirits return to animals, winds, rocks, ice and water; that they are evil, angry or good, as the ele-ments are favorable or unfavorable; and that they can be appeared by hoodoo rites if the performer is sufficiently versed in occult sciences. To change the wind, for instance, records a contemporary, they chant, drum and howl against it, build fires, shoot against it, and, as a last record, fire the graves of the dead. The tribes put hoodoos on each other by ceremonial dancing and howling. The boodog of total destraction upon neighbors is the building of a fire within sight of those coming un-der their displeasure. Tribal relations are surered by making a fire outside and burning all ernaments or disguisse used in ceremonial dames, such as ravens' skins, deer horns and masks. Tribes hoodneed retaliate; but with families and individuals it is different. Outlawed by their tribes or relatives become discouraged and go off and Eclipses of the moon almost paralyze the people with fear. Arctic with collines of the moon, they say that an eclipse is a shadow of the earth being piled up and shaken. All the unuthouts in a ciliage will how! and dram till is has passed, thinking they have driven it off. Among the Noontoks all hands rally around a pair of trackborns, form a circle and march to the music of drams and chants till the eclipse in

west long before there were any railconds in that part of the country says that the glariers of the Belkick range were pure white and blue then. Now they have a gragish, and, in some lights, a red-fish appearance, and on ex-amining the surface of the los it is frozed to be charged with little homps of what seems to be city. The official actual access to be view. The official may be that their is ashes from the format form the format formation has carried later that region of brain presser, lost mank region.

ASTRONOMY AND ASTROLOGY. The Science of Medicine and the Super-

The astrologer of bygone ages taught the people that their diseases were due to some infinence emanating from the stars or other heavenly bodies. The courses of the stars were supposed to govern the physical and historical destines of mankind. Not only were they mistaken as to the cause of disease, but their ideas of care were equally absurd. The poor, beguied patient, whose disease was supposed to be under the matignant sway of some celestial body, was either turned over to the saving power of the grotesque mixtures of the alchemist or given up at once to de. And yet these superstitions, as strange as they sound to this enlightened generation, like most other superstitions, had their origin in a partial truth.

There is a most intimate connection between the condition of health of the inhabitants of our planet and the astronomical cycle through which it passes every year. During the winter season the north pole of the earth has been tilted from the sun, which allows only the sianting rays of the sun to fall upon that portion of the carth's surface in which the United States are included. This affects the health of the people by exciting that class of disorders peculiar to winter. As spring approaches the north pole gradually becomes more and more tilted towards the sun, which brings the sun more directly overhead. The rays becoming more

more tilted towards the sun, which brings the sun more directly overhead. The rays becoming more perpendicular, are highly charged with electrical power. This new relation between the earth and the sun produces another class of physical disorders peculiar to spring. The symptoms are quite unlike in different cases, but the most common ones are general lassitude, played-out, tired-out, used-up, rundown feelings, combined with more or less heavy, stupid, listless, mental condition. Reliah for food and the ability to digest food seems to be lost. Skin eruptions, sallow complexion, biliousness, coated tongue, fifful, irregular sleep, help to complete the picture which is so common at this season. Life is a burden, business a dread, pleasure a mockery, friends a bore, and social privileges a tedious round of disagreeable tasks.

Peru na so exactly meets all these

Peruna so exactly meets all these conditions that the demand is so great for this remedy at this season of the year that it is nearly impossible to sup-ply it. Car loads of Peruna are shipped ply it. Car loads of Pe ru na are shipped north, south, east and west to meet the ever increasing demand of the people for it. It never fails to bring an immedi-ate relief, and a thorough course of it leads with certainty to a permanent

Those desiring to become thoroughly posted on diseases of spring and the proper selection of a remedy should send at once to The Pe-ru-na Drug Manufacturing company of Columbus, Ohio, for a free copy of "The Family Physician, No. 3," a book entirely devoted to this subject.

Just the Thing.

This is an expression the traveling public generally use when they find something that is exactly what they want. The expression applies directly to the Wisconsin Central lines, which is now admitted by all to be "The Route" from Chicago to St. Paul, Minneapolis, Asisand, Duluth and all points in the northwest. Their double daily train service and fine equipment offers inducements which cannot be surpassed.

This is the only line running both through Pullman First Class and Tourist Sleepers from Chicago to Pacific Coast Points without change.

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For full information address your near-

est ticket agent or James C. Ponn, Gen. Pass. and Ticket Agt., Chicago, Ill.

The many cases of rheumatism cured by Chamberlain's Pain Balm during the past few months have given the people great confidence in its curative properties, and have shown that there is one preparation that can be depended upon for that painful and aggravating disease. Honaker Bros., Lorain, Ohio, says: "Mr. Moses Price of this place was troubled with rheumatism for a long time. Chamberlain's Pain Balm has cured him. He says that the Balm has no equal." For sale by F. J. Wurzburg, druggist, No. 58 Monroe street.

Dullan's Mercher Co.—Gentlemen:
I take great pleasure in testifying in behalf of Dullam's Great German Blood, Liver, Stomach and Kidney Cure. I can safely say that I never took such medicine as that to cleanse the liver, stomach and kidneys. I was suffering for years with biliousness, indigestion and loss of appetite and sleep. One bottle did for me more good than six months' other treatment, and I feel it my duty to testify in its behalf, so others may try it and get cured.

Yours Truly,

Warren E. Russell.

Contractor and Builder, Flint, Mich.
For sale at Scribner & Aldworth's drug store, 73 Monroe street. DULLAN'S MERCINE Co.-Gentlemer

The more Chamberlain's Cough Remedy is used the better it is liked. We know of no other remedy that always gives satisfaction. It is good when you first catch cold. It is good when your cough is seated and your lungs are sore. It is good in any kind of a cough. We have sold twenty five dozen of it and every bottle has given satisfaction. Stedman & Friedman, druggists, Minnesota Lake, Minnesota, Fifty cent bottles for sale by F. J. Wurzburg, druggist, No. 58 Monroe street.

During the prevalence of the Grippe the past seasons it was a noticeable fact that those who depended upon Dr. Kings's New Discovery not only had a speedy recovery, but escaped all of the troublesome after effects of the malady. This remedy seems to have a reculiar power in effecting rapid cures not only in cases of in grippe, but in all Discases of Throat, Chest and Lungs, and has cured cases of Asthma and Hay Fever of long standing. Try it and be convinced. It won't disappoint. Trial Bottles 10 cents at Peck Bros. drug store.

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An official who was out in the north-cost long before there were any rall-code in that part of the country says that the glaciers of the Belleick range that the glaciers of the Belleick range core page white and blue then. Now whenever necessary and found that it pover fails. For only by F. J. Weva-burg, druggist, No. 16 Mouros street.

nervousness to either sex. Price \$1 or six for \$5. Dullam's German Medicine company, Flint, Mich., sole agents for United States and Canada. Sold in Grand Rapids by Scribner & Aldworth. No. 73 Monroe street.

A Positive Fact. Ladies do not delay your valuable time by waiting and suffering but se-cure a bottle of Dullam's Great German cure a bottle of Dullam's Great German Female Uterine Tonic and be cured of your monthly trouble either in old and young. It is the very best preparation I ever prescribed in my extensive practice. It has given the best results in the greatest number of cases of female troubles of any medicine I ever used. I do not make a practice of using or recommending patent medicines, but this remedy is prepared by a very competent physician and chemist of my acquaint ance, and I can carefully and conscienciously recommend it as the best.

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If you are not feeling strong and healthy try Electric Bitters. If "La Grippe" has left you weak and weary, use Electric Bitters. This remedy acts directly on Liver, Stomach and Kidneys, gently aiding those organs to perform their functions. If you are afflicted with Sick Headache you will find speedy and permanent relief by taking Electric Bitters. One trial will convince you that this sis the remedy you need. Large bottles 50c, at Peck Bros. Drug Store.

My wife was confined to her bed for over two months with a very severe at tack of rheumatism. We could get nothing that would afford her any relief, and as a last resort gave Chamberlain's Pain Balm a trial. To our great surprise she began to improve after the first application, and by using it regularly she was soon able to get up and attend toher house work. E. H. Johnson, of C. J. Knutson & Co., Kensington, Minnesota. Fifty cent bottles for sale by F. J. Wurzburg, No. 58 Monroe street.

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For neuralgia, rheumatism, head and tooth ache and all pains, use Dullam's great German liniment at Scribner & Aldworth's, No. 73 Monroe street. Buy Dullam's Great German 25 cent Cough Cure at D. C. Scribner & Ald-worth's. 37 Monroe street.

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ST. JACOBS OIL cured him. No No Return return of pain in 3 years. G. A. Farrar. Years.

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Dr. S. Clay Todd received an order for medicine pasterday, in a registered latter, from the Netherlands, Europe (near Amsterdam), with a mint bill (legal tender note) of ten dollars inclosed. It was a bill of the issue of 1898, new form, and it was very gratifying to us to cost once more a glance on the nid country resease, were it no more than Just a sky glimpse and the privilege of Just feeling it. It proves also that the fame of Dr. S. Clay Todd has gone to the far shores of the Atlantic oregin and that money is sent from LEE culties way for his "wanderful remedies" and action.

(3. Vascureza.

TRADE PROM A DISTANCE.

G. Visarieras.

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RHEUMATIS

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